

Applied Skills Frequency Distribution

State: INDIANA

Grade: 7

Purpose

This report provides a frequency of points obtained by Applied Skills items.



Test Date: 09/15/08

E/la																	
Item # - Test #		Points Poss	Total Number of Stdnts	0 Points Obtained		1 Point Obtained		2 Points Obtained		3 Points Obtained		4 Points Obtained		5 Points Obtained		6 Points Obtained	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%
Writing Applications																	
1a-3-Writing Applications		6	80310			1004	1	5909	7	28037	35	32439	40	10382	13	1766	2
13b-4-Writing Applications		4	80310			3846	5	24735	31	35331	44	14175	18				
Lang. Conventions																	
1b-3-Lang. Conventions		4	80310			1201	1	6163	8	26579	33	45872	57				
13c-4-Lang. Conventions		4	80310			3275	4	18636	23	32538	41	23866	30				
Reading Comp.																	
3-4-Reading Comp.		2	80310	6435	8	23025	29	49463	62								
5-4-Reading Comp.		2	80310	22781	28	9984	12	45437	57								
7-4-Reading Comp.		2	80310	20079	25	39064	49	18917	24								
Lit Response & Analysis																	
10-4-Lit Response & Analysis		2	80310	46702	58	10799	13	20312	25								
13a-4-Lit Response & Analysis		2	80310	18880	24	18667	23	40540	50								
Math																	
Item # - Test #		Points Poss	Total Number of Stdnts	0 Points Obtained		1 Point Obtained		2 Points Obtained		3 Points Obtained		4 Points Obtained		5 Points Obtained		6 Points Obtained	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%
Algebra & Functions																	
1-7-Algebra & Functions		2	80310	24371	30	34302	43	19951	25								
4-7-Algebra & Functions		2	80310	15499	19	17986	22	46324	58								
3-8-Algebra & Functions		2	80310	8208	10	28268	35	43220	54								
Data Analysis & Prob																	
2-7-Data Analysis & Prob		2	80310	35639	44	11117	14	30234	38								
1-8-Data Analysis & Prob		2	80310	18643	23	3929	5	56742	71								
5-8-Data Analysis & Prob		2	80310	24847	31	46877	58	7520	9								
Problem Solving																	
3-7-Problem Solving		2	80310	47365	59	15783	20	15202	19								
5-7-Problem Solving		3	80310	27300	34	43403	54	3127	4	5445	7						
2-8-Problem Solving		3	80310	42445	53	19013	24	3757	5	14150	18						
4-8-Problem Solving		3	80310	38743	48	22152	28	3971	5	14312	18						
Geometry																	
6-7-Geometry		2	80310	48362	60	13790	17	16602	21								
Computation																	
7-7-Computation		2	80310	42599	53	2956	4	33571	42								
Measurement																	
6-8-Measurement		2	80310	50989	63	5853	7	22697	28								
Number Sense																	
7-8-Number Sense		2	80310	24696	31	27561	34	27230	34								
Science																	
Item # - Test #		Points Poss	Total Number of Stdnts	0 Points Obtained		1 Point Obtained		2 Points Obtained		3 Points Obtained		4 Points Obtained		5 Points Obtained		6 Points Obtained	
				N	%	N	%	N	%	N	%	N	%	N	%	N	%
The Physical Setting																	
1-11-The Physical Setting		2	80310	12971	16	26814	33	39924	50								
3-11-The Physical Setting		2	80310	22779	28	29526	37	25496	32								
Scientific Thinking																	
2-11-Scientific Thinking		2	80310	10969	14	40026	50	28788	36								
Common Themes																	
4-11-Common Themes		2	80310	10365	13	19558	24	49481	62								
The Living Environment																	
5-11-The Living Environment		2	80310	14844	18	34420	43	30077	37								
7-11-The Living Environment		2	80310	12670	16	24004	30	42001	52								
The Mathematical World																	
6-11-The Mathematical World		2	80310	31796	40	36883	46	8977	11								
Nature of Sci & Tech																	
8-11-Nature of Sci & Tech		2	80310	13388	17	27309	34	37328	46								

A Message from Dr. Suellen Reed

Dear Teachers and Administrators,

The *ISTEP* + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help them evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the *ISTEP* + assessment.

Sincerely,



Suellen Reed
Superintendent of Public Instruction

INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

Criterion-referenced Test: A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

Indiana Academic Standards: The Indiana Academic Standards define three categories of student achievement in English/language arts, mathematics, and science (Pass +, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass + Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.

Pass Meets the passing standard.

Did Not Pass Fails to meet the passing standard and in all likelihood will need remedial assistance.

Indiana Scale Score: Student achievement levels relative to the Indiana Academic Standards are reported by *ISTEP* + as scale scores in English/language arts, mathematics, and science. These three-digit, equal-interval scores are expressed on unique scales by content area.

Indiana Performance Index (IPI) Score: A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

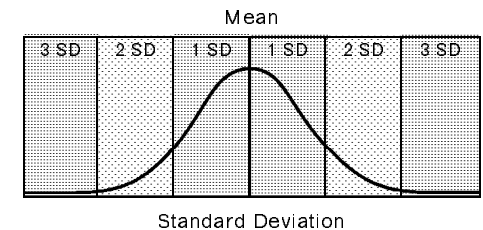
SUMMARY INFORMATION

Mean: Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

Median: The median is another often used "average." It is defined as the score below which half of the cases fall.

Mean Scale Score: The arithmetic average of the scale scores obtained by a group of students.

Standard Deviation (SD): A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.



Applied Skills Frequency Distribution

State: INDIANA

Grade: 7

Purpose

This report provides a frequency of condition codes obtained by Applied Skills items.



Test Date: 09/15/08

E/la	Total Number of Students	Condition Code A Blank Response N %	Condition Code B Illegible N %	Condition Code C Non - English N %	Condition Code D Insufficient N %	Condition Code E Off Topic N %	Invalid / Omitted Test N %
Item # - Test #							
Writing Applications							
1a-3-Writing Applications	80310	0 0	7 0	6 0	27 0	278 0	455 1
13b-4-Writing Applications	80310	1544 2	41 0	2 0	70 0	228 0	338 0
Lang. Conventions							
1b-3-Lang. Conventions	80310	0 0	7 0	6 0	27 0	0 0	455 1
13c-4-Lang. Conventions	80310	1544 2	41 0	2 0	70 0	0 0	338 0
Reading Comp.							
3-4-Reading Comp.	80310	983 1	7 0	0 0	55 0	4 0	338 0
5-4-Reading Comp.	80310	1620 2	33 0	2 0	25 0	90 0	338 0
7-4-Reading Comp.	80310	1845 2	24 0	3 0	35 0	5 0	338 0
Lit Response & Analysis							
10-4-Lit Response & Analysis	80310	2106 3	28 0	1 0	8 0	16 0	338 0
13a-4-Lit Response & Analysis	80310	1544 2	41 0	2 0	70 0	228 0	338 0
Math	Total Number of Students	Condition Code A Blank Response N %	Condition Code B Illegible N %	Condition Code C Non - English N %	Condition Code D Insufficient N %		Invalid / Omitted Test N %
Item # - Test #							
Algebra & Functions							
1-7-Algebra & Functions	80310	1424 2	0 0	0 0	0 0		262 0
4-7-Algebra & Functions	80310	238 0	0 0	0 0	1 0		262 0
3-8-Algebra & Functions	80310	319 0	0 0	0 0	1 0		294 0
Data Analysis & Prob							
2-7-Data Analysis & Prob	80310	3058 4	0 0	0 0	0 0		262 0
1-8-Data Analysis & Prob	80310	691 1	0 0	0 0	11 0		294 0
5-8-Data Analysis & Prob	80310	762 1	2 0	8 0	0 0		294 0
Problem Solving							
3-7-Problem Solving	80310	1698 2	0 0	0 0	0 0		262 0
5-7-Problem Solving	80310	770 1	0 0	2 0	1 0		262 0
2-8-Problem Solving	80310	651 1	0 0	0 0	0 0		294 0
4-8-Problem Solving	80310	837 1	0 0	0 0	1 0		294 0
Geometry							
6-7-Geometry	80310	1293 2	0 0	0 0	1 0		262 0
Computation							
7-7-Computation	80310	921 1	0 0	0 0	1 0		262 0
Measurement							
6-8-Measurement	80310	475 1	1 0	0 0	1 0		294 0
Number Sense							
7-8-Number Sense	80310	528 1	0 0	0 0	1 0		294 0
Science	Total Number of Students	Condition Code A Blank Response N %	Condition Code B Illegible N %	Condition Code C Non - English N %	Condition Code D Insufficient N %	Condition Code E Off Topic N %	Invalid / Omitted Test N %
Item # - Test #							
The Physical Setting							
1-11-The Physical Setting	80310	115 0	10 0	15 0	13 0	6 0	442 1
3-11-The Physical Setting	80310	2000 2	9 0	14 0	18 0	26 0	442 1
Scientific Thinking							
2-11-Scientific Thinking	80310	72 0	6 0	1 0	3 0	3 0	442 1
Common Themes							
4-11-Common Themes	80310	373 0	31 0	14 0	21 0	25 0	442 1
The Living Environment							
5-11-The Living Environment	80310	480 1	9 0	15 0	14 0	9 0	442 1
7-11-The Living Environment	80310	1102 1	23 0	15 0	24 0	29 0	442 1
The Mathematical World							
6-11-The Mathematical World	80310	1976 2	57 0	14 0	21 0	144 0	442 1
Nature of Science & Tech							
8-11-Nature of Science & Tech	80310	1609 2	33 0	14 0	62 0	125 0	442 1

A Message from Dr. Suellen Reed

Dear Teachers and Administrators,

The *ISTEP* + assessment is one of the best tools available to us in our continued efforts to improve the education of Indiana's students. The reports which are distributed to teachers, principals, and corporation offices can be used to help identify students' strengths and weaknesses, and to measure their mastery of the Indiana Academic Standards. These results help the educational professionals determine how effectively their students are making progress toward meeting the high school graduation requirements.

The individual student reports provide information that helps parents understand their child's academic performance. The class, school, and corporation summary reports give teachers and administrators data that can help them evaluate their students' achievement and identify educational areas that may need emphasis. We thank you for your professional commitment to the improved education of our youth, and we encourage your continued support of the *ISTEP* + assessment.

Sincerely,



Suellen Reed
Superintendent of Public Instruction

INDIANA ACADEMIC STANDARDS (CRITERION-REFERENCED INFORMATION)

Criterion-referenced Test: A test that reports students' scores relative to a body of information thought to be important to learn (see Indiana Academic Standards).

Indiana Academic Standards: The Indiana Academic Standards define three categories of student achievement in English/language arts, mathematics, and science (Pass +, Pass, and Did Not Pass). These levels were defined by the State Board of Education as follows:

Pass + Meets the passing standard and demonstrates high achievement in the knowledge and skills of the content area.

Pass Meets the passing standard.

Did Not Pass Fails to meet the passing standard and in all likelihood will need remedial assistance.

Indiana Scale Score: Student achievement levels relative to the Indiana Academic Standards are reported by *ISTEP* + as scale scores in English/language arts, mathematics, and science. These three-digit, equal-interval scores are expressed on unique scales by content area.

Indiana Performance Index (IPI) Score: A measure of a student's mastery of the skills tested in a specific content area as defined by the Indiana Academic Standards.

SUMMARY INFORMATION

Mean: Perhaps the most often used "average," the mean is the arithmetic average of a group of scores. It is calculated by adding the scores and dividing the sum by the number of scores.

Median: The median is another often used "average." It is defined as the score below which half of the cases fall.

Mean Scale Score: The arithmetic average of the scale scores obtained by a group of students.

Standard Deviation (SD): A statistic that indicates the amount of variability in a group of scores. When scores are normally distributed (i.e., when they are part of a bell-shaped, "normal" curve), about two-thirds of the scores are within one SD above and below the average (mean) score and about 95% of the scores are within 2 SDs of the mean. In almost any shaped distribution, all scores will be within 5 SDs above or below the mean score.

